



# THE OREDIGGER

Volume 87, Issue 9 THE VOICE OF THE COLORADO SCHOOL OF MINES, A SUPERIOR EDUCATION IN APPLIED SCIENCE AND ENGINEERING February 7, 2007

## Mines Gone Wild

### E-Days 2007 Theme and Schedule Announced



Rebecca Hubis/E-Days Council

The 2007 E-Days Committee poses for a shot. This year's theme for the annual Mines event is 'Safar-E Days'. Games, free food, comedians, and a concert are planned.

#### Rebecca Hubis E-Days Council

Are you sick of the snow? The 2007 Colorado School of Mines E-Days Committee would like to announce that "Safar-E-Days" is coming! So jump in your jeeps and grab your binoculars, because you're off on an exotic Safari, CSM E-Days style!

Safar-E-Days will take place March 29th through March 31st, with many of the traditional E-Days events, as well as a few new ones.

On Thursday, March 29th, we will kick off the fun with the annual fireworks blasting into the skies over Brooks Field. The fireworks will immediately be followed by the kickoff party in the student center, which includes a DJ'd dance for those who love clubbin', a swing dance, and games with prizes.

As usual, on Friday morning at 9 a.m., Mines students will wake their "asses" up and pull the Orecart to the capital building for the official commencement by the governor. Participants will receive a Chipotle burrito and a free "Orecart-pull" T-shirt.

After that, there's no crawling back in bed because the fun is just starting on the IM fields! Student organizations will host games and events while the faculty sells tickets to students over 21 for the Coors Van. Students who aren't 21 won't be out of luck; the Pepsi cart will be giving away free soda to all of the thirsty under-agers. At 4:30 on the IM fields, we will be

hosting the Pig Roast: free food while it lasts! As the sun sets on a long day, everyone will move to the field house for the concert.

Finally, we'll end a great weekend with more field events, including the cardboard boat race in Clear Creek and the 3rd annual Trebuchet contest on the IM fields. Be sure to buy a ticket to the charity barbecue benefiting AIDS relief. After that, we'll retire to Bunker Auditorium for some comedy.

Many other important things will take place during E-Days, such as the announcement of the new Associated Students of the Colorado School of Mines officers, and the presentation

of E-Days Scholarships and E-Days Engineers. There will be something for everyone!

Students, faculty, staff, alumni, community members, and families are all welcome to come to all of the events! Packets will be sold with tickets to the concert, comedians, and charity BBQ, T-shirts, and some safari goodies. More details will be announced later.

If you or your organization would like to host a field event, please contact Madison Shoemaker at [mshoemaker@mines.edu](mailto:mshoemaker@mines.edu). If you would like to volunteer to help and receive a free T-shirt, contact Tarryn Miller at [tamiller@mines.edu](mailto:tamiller@mines.edu). If you have any other questions, swing by Student Activities.

Get excited! Safar-E-Days 2007 is bound to be a wild adventure!

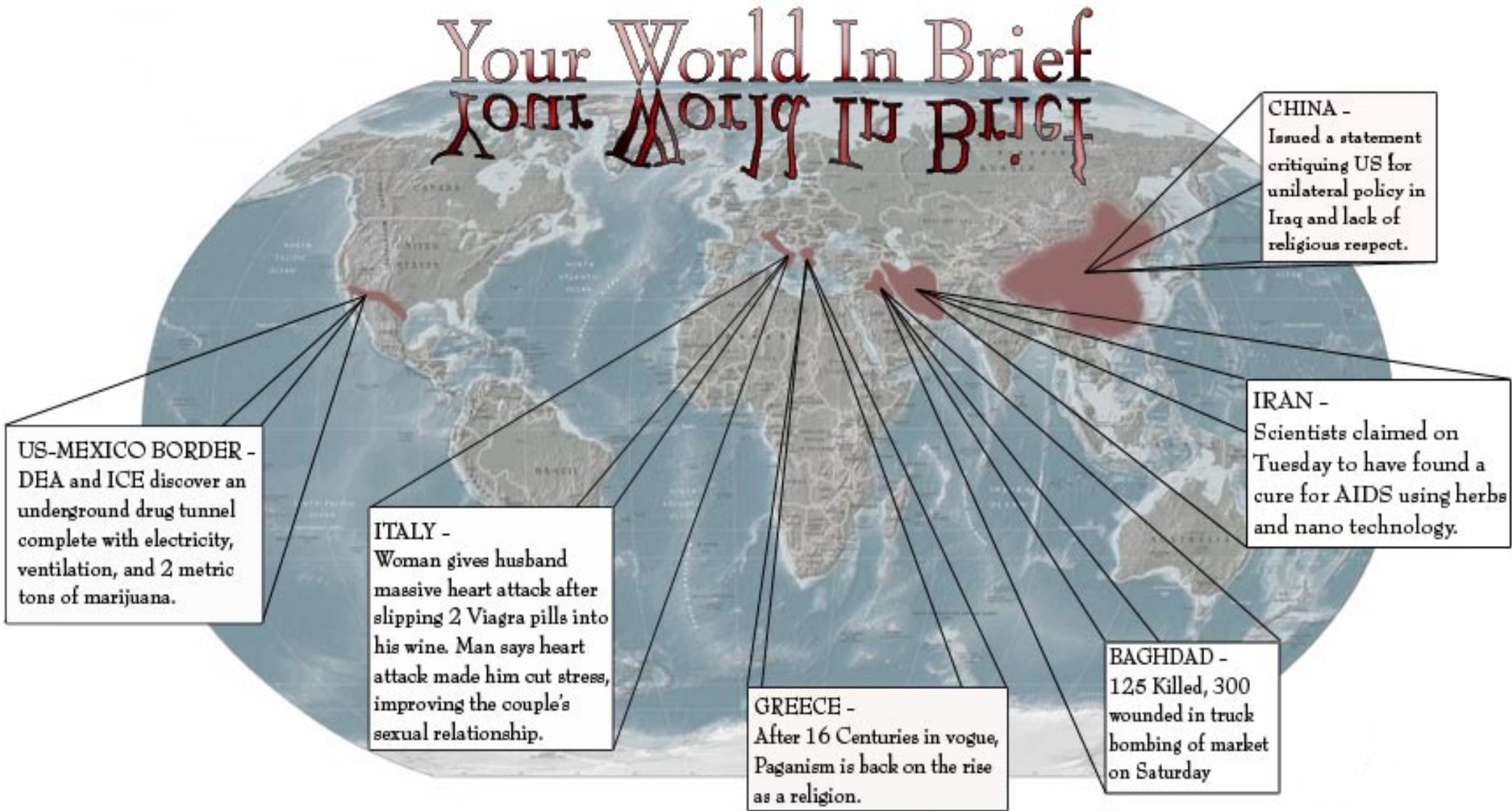
*"Safar-E-Days will take place March 29th through March 31st, with many of the traditional E-Days events, as well as a few new ones."*

**Inside this  
Issue of  
THE OREDIGGER**

**Oscar Predictions  
and Contestants  
Page 10**

**Interview with  
Avalanche Left  
Wing Andrew  
Brunette  
Page 8**





# Heating Up Quick

## New Crowd Control Method Unveiled By Pentagon Officials

Jason Fish  
News Editor

Since the discovery of microwave energy, it has been used to heat food, broadcast television, operate wireless networks, and it is the basis for radar technology.

Another application has recently been discovered and implemented by the United States military: crowd control.

The new invention, called the Active Denial System (ADS), consists of a flat dish mounted atop a humvee vehicle. The ADS can project a focused beam of microwave energy, extending it out to an effective range of 500 meters (approximately 1600 feet). When the beam contacts human skin, it causes the feeling of being burned.

As part of the electromagnetic spectrum, microwaves share similar physical characteristics to the visible light from the sun. They do not produce sound or pressure as they pass the human senses.

However, unlike the beam of a flashlight, microwaves are invisible to human eyes. Thus, the ADS is different from previous crowd control methods such as tear gas and water cannons because there is no audible or visual clue before the target is exposed.

Researchers with the Joint Non-Lethal Weapons (JNLW) Directive tested the system. When interviewed

by the press, they listed several advantages of ADS over current crowd control tactics.

The ADS is more more maneuverable and lighter than a water cannon. Also, its focus allows for tracking smaller, individual targets, rather than exposing an entire crowd to tear gas.

There has been debate among scholars and officials in the U.S. over the effect such a device will have on crowds and the ethical concerns about its use. Some have asked about the long-term effects as well as the potential for protestors being unable to escape the ADS beam in a riot situation.

Here at the Colorado School of Mines, students are having their own thoughts on this new military invention.

"It doesn't accomplish anything the Pentagon wasn't doing before," said junior Sean Santos. "It doesn't really have any new capability other than better crowd dispersal."

CSM students also are talking about the ethical issues of the ADS. "It should not be used," said senior Natalie Wagner.

"I think it will turn into a very ugly situation once it becomes widely used," said junior Ron Deiotte.

The military gave its first public display of the ADS last month. According to defense officials, the system could be in use by the armed forces by 2010.

*"It should not be used."*

Welcome Back  
Colorado School of Mines Students  
**Great Clips®**

Golden  
601 16 th st.  
( Safeway Center Behind Burger King)  
Golden, Co.  
303-277-0817

Hours M-F 8-9; Sat. 8-5; Sun 10-4  
Just show your current Colorado School of Mines I.D.

**\$9.99 Haircut**

Offer expires: 03/21/2007



# 'Scooter' Trial Underway

**Andrew Aschenbrenner**  
Staff Writer

It is being called "the most-watched trial in Washington," and the trial of Lewis "Scooter" Libby may command attention for weeks to come. Libby is being tried on charges of perjury and obstruction of justice in the investigation into the leaking of the identity of CIA operative Valerie Plame.

Libby was Chief of Staff to Vice President Dick Cheney before Plame's identity was leaked to reporters in

2003. He has not been charged with the leak itself, but his grand jury testimony in the investigation of the leak raised the suspicion of Patrick Fitzgerald, U.S. Attorney and Special Counsel in the Plame investigation.

FBI agent Deborah Bond has told the jury in Libby's trial that he left out some information about meetings with reporters in his interviews with the FBI.

She has also shed light on contradictions in Libby's testimony, including his recollections of a phone

conversation which, according to Libby, first did not include mention of Plame, and then did include mention of her with Libby denying knowledge that she worked at the CIA.

Bond also said that Libby denied telling former White House press secretary Ari Fleischer about Plame. Fleischer testified recently that Libby did tell him about her identity.

Former New York Times reporter Judith Miller also has contradicted what Libby has told investigators, testifying that he identified Plame as

a CIA employee in two meetings prior to when Libby has said he first heard the information.

The meetings occurred after the date of a note that Libby took indicating that Cheney himself told him of Plame's identity.

Defense attorneys for Mr. Libby have argued that he was a scapegoat for the White House, but that argument has been partially discredited by evidence that Cheney in October 2003 directed Scott McClellan, the current White House press secretary, to deny that Libby had any role in the leak.

After Plame's identity was publicized, allegations flew that it was leaked on purpose by a White House

that was working to discredit Plame's husband, former U.S. Ambassador Joseph Wilson. Wilson had been sent on a mission to investigate whether or not reports were true that Iraq was attempting to purchase uranium from Africa.

Wilson has said that he told U.S. officials that the reports were baseless, but the claim was made by the President in his 2003 State of the Union address.

After this, Wilson accused the administration of manipulating Iraq intelligence. The leak of Plame's identity as a CIA employee occurred just one week after Wilson's accusation.

# Career Day Approaching: Resume Ready?

**Courtesy CSM Career Center**

Spending our Winter Holiday shoveling gave us all a chance to contemplate the pleasures of having a career that really fits with our talents, interests, and life goals. Ron and the gang (Art, Debbie, and Lin) welcome you all back to school and announce our biggest Spring Recruiting Season yet!

Following our record-breaking Career Day in the Fall, our February 13 event is the biggest ever Spring fair, with 155 companies attending – some-

thing for every major! Many of these have jobs posted on DiggerNet (check NOW for upcoming resume submission deadlines) and a wide variety of employers are reserving a room to do interviews on February 14.

Wouldn't it be sweet to lock in YOUR career or summer internship! The hard copy version of the Career Day Guide is now available in the Career Center. Find the online version plus a link to "Who wants MY major?" at [http://www.mines.edu/stu\\_life/career/cd\\_students.htm](http://www.mines.edu/stu_life/career/cd_students.htm).

Be sure that you have a current resume on DiggerNet - a new resume packet is now available in the Career Center and online.

Congratulations and thanks to the students whose "employer approved" resumes are in our packet. These are meant to be just a guide to help you format your own

personalized resume, being sure to include the information employers want to see.

*"Remember, Information Sessions are a GREAT way to begin networking."*

Remember, Information Sessions are a GREAT way to begin networking, identify "culture fit" of employers to your nature, explore choice of major and, often, enjoy food while you learn about the companies!

Watch DiggerNet for notice of these Info Sessions and contact Lin in the Career Center to be a student host for them. We hope you've been catching the ROOTBEER FLOATS touring the campus. Upcoming Career Center workshops are displayed below:

We are here to help if you have any questions. Drop by the Career Center (next door to the Registrar) for help with DiggerNet access, mock interviews (the best value for your money in interview preparation) and resume critiques.

We also have information on typical salaries (our website under 2005-2006 Annual Report) to help guide you in planning your "Life after Mines." Welcome back! We hope you had a great break and are ready to rock!!!

## **EMPLOYER RESEARCH FOR INTERVIEW SUCCESS!**

5:00 PM-6:00 PM  
Tuesday, FEB 6  
Student Center, Ballroom C

## **ACE THAT INTERVIEW!**

12:00 PM-1:00 PM  
Wednesday, FEB 7  
Student Center, Ballroom C

## **THE VALUE OF INTERNSHIPS**

5:00 PM-6:00 PM  
Wednesday, FEB 7  
Student Center, Ballroom C

## **DRESS FOR SUCCESS! PRESENTING YOUR TOTAL SELF**

5:00 PM-6:00 PM  
Thursday, FEB 8  
Student Center, Ballroom C

# StuGovs Getting Together

**Lily Giddings**  
Staff Writer

In an attempt to address the issue of communication between students and the state government, the Associated Students of the Colorado School of Mines, in conjunction with other Colorado schools, are attempting to revive an organization that acts as a go-between.

Student governments from state schools will join together to support causes that are important to the college students they represent. The purpose is to give students a voice in the state legislature, beyond voting on issues that appear in elections.

The original organization, created for the same purpose as the new Allied Students of Colorado, was dissolved because of internal issues. However,

members of the work group for reinstating the organization are confident that the new edition will be more effective.

The project is in the planning stages, but the work group has been able to work out the structure of the organization, and the bylaws. The next meeting will be held on March 4<sup>th</sup>.

The group is focused on getting better funding for higher education purposes, including reducing the price of textbooks. It is difficult for student governments to get funding from the state, but the Allied Students of Colorado hope to eventually be able to

hire lobbyists to pursue their causes.

Similar groups in Arizona and Oregon have been successful. They have even been able to hire full-time lobbyists that make the organization's causes their own. This is the model to

which the Allied Students of Colorado aspires.

Thus far, the organization is in the planning stage, accepting help from volunteer lobbyists.

*"Student governments from state schools will join together to support causes that are important to the college students they represent."*



*"My career has been everything they said it would be... and much more."*

*Nalita, Field Engineer*

With USD 19.23 billion revenue, Schlumberger is the world's leading provider of technology services to the oil and gas exploration and production industry. We are looking for extremely high-energy, self-motivated women and men with exceptional problem-solving, communication, leadership and interpersonal skills for opportunities in Field Engineering; Research, Development and Manufacturing; and Petrotechnical. Are you ready for success without boundaries? EOE

## **CSM Interviews!**

Information Meeting: February 26, 2007 • 5:00pm - 7:00pm  
Ballroom A, Room 246

Interviewing: February 27, 2007

BS, MS or PhD Degrees: All Engineering disciplines, Geoscience, Chemistry, Physics, Mathematics, Logistics & Supply Chain

**Schlumberger**

[www.slb.com/careers](http://www.slb.com/careers)

Success without boundaries

Check Out The Special  
Center Section:

**Super Bowl XLI  
Recap**

*A Super Bowl of Firsts!*

Pages 8-9



# Redistricting Committee Changes: Phase 1

**Zach Aman**  
Editorials Editor

The Reorganization Task Force of Colorado School of Mines President Bill Scoggins announced its first phase of recommendations last week.

The committee announced its approach during a Faculty Senate meeting in late November. Dr. Arthur Sacks, committee chair and Associate Vice President for Academic and Faculty Affairs, said; "The task force

is designed to be reflective of the community as a whole. University organization has become very complex. The task of organizing a university these days is extraordinarily complex and we recognize that."

In the November meeting, the committee stated that they would use the fall semester to focus on administrative structure and the spring to evaluate academic structure.

In a January 19 memo to the Mines community, Scoggins discussed the

initial recommendations from the committee:

"Their preliminary Phase I review was well-researched, objective, and thoughtful, and provided a broad range of options for consideration."

Mr. Derek Wilson, the current director of Academic Computing and Networking, will now hold the title of Chief Information Officer. Scoggins described the new duties of the position: "Mr. Wilson will represent Mines with appropriate external agencies and coordinate with the Directors of Information Services and Telecommunications to develop campus-wide strategies and policies related to

networking, computing and telecommunications."

Regarding financial operations, Scoggins said; "Ms. Kirsten Volpi will become Vice President for Finance and Administration, reporting directly to the President. This role will be expanded to include consolidation of all financial activities and reporting on campus."

Mr. Michael Dougherty has been named Associate Vice President for Human Resources. Scoggins expects the role of the Human Resources department to expand in the future, "to serve as a more comprehensive human resources office, including such functions as compensation planning, career development,

training, and succession planning."

Finally, Scoggins appointed Mr. Dan Montez as the Associate Vice President for Planning and Policy Analysis. Scoggins noted; "Mr. Montez will coordinate planning efforts, with a goal of better integrating academic, enrollment, financial, capital and space planning; he will also provide support for the school's governmental relations program."

During the November meeting, a few faculty members were critical of the committee. Professor Carl Mitichum questioned how the committee went about choosing peer institutions such as the University of Colorado and Carnegie-Mellon University. Another professor criticized the "lack of quantitative information" contained within the committee's presentation.

The Mines community can expect to hear from Scoggins by the end of the semester regarding recommendations to academic structure.

## Prevention Help Rape Victims and Emergency Contraception in Proposed Bill for State

**Sara Post**  
Copy Editor

A bill currently being debated in the Colorado Legislature will require that hospitals inform rape victims of emergency contraception, also known as EC or the "morning-after pill."

Individual doctors and health care professionals who oppose the use of contraceptives would be exempt from this requirement, but institutions would be required to find some way to inform their patients.

Senator Betty Boyd, D-Lakewood, has been pushing this bill for the past five years; former Colorado Governor Bill Owens vetoed it twice.

In an interview with the Oredigger, Boyd said; "Even if [rape victims] might have known about it somewhere along the way, it's important that in the midst of that trauma that they are told that [EC] is available to them at a pharmacy, and certainly part of it

would involve telling them how it works."

The Federal Food and Drug administration has approved EC pills for over-the-counter sales, and any woman over the age of eighteen may ask her pharmacist for the drug.

Emergency contraception is not the same as the abortion drug, RU-486, Boyd noted. "You can't say that they are the same," she said. "Because, medically, they simply are not." EC can work in three ways: prevent the sperm from reaching the egg, prevent the egg from attaching to the uterine wall, or prevent ovulation from taking place. It will not terminate an existing pregnancy.

"I think it is fairly unprecedented for the legislature to meddle in the specific point of medical advice that a doctor has to give," said Senator Shawn Mitchell, R-Broomfield.

When asked about criticism of the bill, Senator Boyd replied: "The hospitals are already in the doctor-patient relationship if they tell the doctors not to tell victims about EC."

*"Even if [rape victims] might have known about it somewhere along the way, it's important that in the midst of that trauma that they are told that [EC] is available to them at a pharmacy..."*

## Rec Center: Coming Soon

**Chris Phillips**  
Business Manager

The new Student Recreation Center still does not have a confirmed completion date.

The project is still under way, however. Dr. Harold Cheuvront, Dean of Students, recently told the Oredigger:

"[The SRC] is beginning to come together. The juice bar area is nearly done. As for a final completion date, we aren't focusing on that right now. We suspect the whole center will be

done some time around mid-March."

When asked about the progress of the facilities, Cheuvront explained that the Recreation Gym is done except for the jogging track, and the infrastructure for the climbing wall is in place.

Cheuvront said; "The whole thing is like a

big 2,000-piece jigsaw puzzle after enough pieces have been put in to where you can see the picture but all the pieces aren't quite in yet." The pool, he said, is farthest away from completion.

Cheuvront went on to explain that the entire building is now enclosed, and that he plans to visit the site at least once a week until completion.

*"The whole thing is like a big 2,000-piece jigsaw puzzle after enough pieces have been put in to where you can see the picture..."*



### Anthony's PIZZA & PASTA

600 12th Street, Golden, CO. 303-278-9999

## ★HAPPY HOUR★

MON-FRI 4-7p.m.

- \* \$1 Domestic Drafts
- \* \$1 Thin Cheese Slices
- \* \$1.50 Import Drafts
- \* \$3.00 10 Piece Wings

10% Off With Student I.D. \*Not Valid With Any Other Special\*

### Huge Slices & Even Bigger Pie



18" 2-Topping

# \$12.95

GOOD ONLY AT THE GOLDEN LOCATION. NOT VALID WITH ANY OTHER OFFER.

# MONEY FOR COLLEGE NOW



**Because Aunt Joan needed more Botox®.\***

**She got a facelift, you got the tuition bill.**

Not to worry: a Campus Door student loan can cover up to 100% of your education costs, with online approval in less than a minute. All without the painful side effects.

## campusdoor.com

\*Botox® is a registered trademark of Allergan, Inc.

Like this poster? Download your own printable PDF version at [campusdoor.com/posters](http://campusdoor.com/posters)



**CAMPUSDOOR®**  
GREAT FUTURES START HERE™

All loans are subject to credit approval. Programs, rates, terms and conditions are subject to change without notice. Other restrictions apply. Trade/Service marks are the property of Campus Door Inc. and/or its affiliates. Lender is Lehman Brothers Bank, FSB. ©2006 Campus Door Inc. All Rights Reserved. Equal Opportunity Lender.



# “Relaywood” Boulevard

**Lily Giddings**  
Staff Reporter

One of the most worthy causes sponsored on the Colorado School of Mines campus is the American Cancer Society’s Relay for Life.

The kickoff party for this year’s Relay for Life was held on January 25<sup>th</sup>, in the Student Center Ballrooms. The theme for this year was “Relaywood,” with movie-themed posters and décor. The entire Golden community was invited to participate in the kickoff and to begin forming teams to raise money for the American Cancer Society.

The actual race will be held on May 18<sup>th</sup> and 19<sup>th</sup> at Brook’s Field. Participants will walk/run/dance/crawl the track all night long in support of survivors, sufferers, and victims of cancer. “It is a real community building event,” says Katie Mills, one of the captains.

One of the most poignant events of the night is the “survivor’s lap” where survivors of cancer walk the track together, showing support of each other. Other participants will line the edges of the track, cheering them on. Before the lap commences,

however, luminarias are lit in honor, in memory, and in hope for cancer patients. Everyone is welcome to buy a luminaria for the event.

Other activities will be available for the entire duration of the race. There will be games and activities where participants can win points, free food and coffee will be provided to everyone who comes, prizes will be given away, and a silent auction will take place.

*“Luminarias are lit in honor, in memory, and in hope for cancer patients.”*

The Relay for Life planners welcome anyone who wants to donate pieces for the auction, money for the cause, or time to participate. The goals

for this year are to have 40 teams participate and to earn at least \$50000. Participants can engage in friendly competition to raise more money for the cause, as well as attaining a warm glow, knowing that they have helped to make the world a better place.

Learn more about Relay for Life, and register or donate at <http://www.ascevents.org/relay/CO/golden>.

Registration for a relay team is \$75 until February 15<sup>th</sup>, so get your team together now!

# Snow, Safety, and Style

## Catch it all at the Beta Theta Pi Ski-A-Thon

**Mike Patterson**  
Beta Phi Beta

Beta Theta Pi has had an integral part in increasing helmet awareness and safety on the slopes. In 1998, the Colorado School of Mines Chapter of Beta Theta Pi began a movement towards helmet safety, with the start of what would soon become their biggest philanthropy event, Ski-A-Thon.

The event had always been a success, but four years ago the event would capture the hearts of every Beta Phi Beta. A fellow brother of Beta Phi had a tragic accident while skiing at Arapahoe Basin. Denver Haslam crashed into a tree, breaking several ribs and remaining in a coma for 6 weeks.

Denver would not be with us

today if it weren’t for the fact that he was wearing a helmet that day on the mountain. Denver has since returned to the slopes, and told the Betas; “I owe my life to a helmet.” Denver always makes it a point to approach every skier he sees without a helmet, explaining to them why it is so important “to wear a 1-inch piece of foam on your head.”

Since then, the Mines Betas have been pushing hard to make Ski-A-Thon a more well-known national event. Since 1998, Ski-A-Thon has done a tremendous amount for the ski community near Golden, as well as across the Front Range. The Betas here at Mines have raised \$37,000 in donations for St. Anthony’s Intermountain Neurosurgery Helmet Donor Program.

Ski-A-Thon has helped educate the community of Golden, the School of Mines, and ski resorts across the Front Range about how important the use of helmets really is while on the slopes, whether you are skiing the back country, tearing up the moguls, or rushing down the open runs.

Adam Noelck, the chairman of this year’s Ski-A-Thon, explains that “the sole purpose of this great event is to raise helmet awareness, and to continue convincing the public that wearing a helmet can be just as stylish as it is safe, and have some fun in the process!”

The Betas have been able to donate 3500 helmets to 36 Christy Sports rental stores so that people who rent ski or snowboard equipment have access to a helmet at absolutely no additional cost. They have been able to provide complimentary helmets to ski schools, instructors, and patrol personnel at nearly every ski resort on the Front Range.

Their most outstanding feat by far is the 25% increase in helmet usage at ski resorts in the Front-Range.

The Betas are constantly looking to expand the event, so that one day they can make Ski-A-Thon into a full-on national event. Over the years that Ski-A-Thon has been alive, the Betas and Ski-A-Thon have been nationally recognized 3 times for their progressive efforts in the ski and snowboard community.

Beta Phi is gearing up for yet another successful year of helping Colorado and its ski community, with the backing and support of numerous companies among the ski industry. The event is being sponsored by local businesses such as, Dell’s Tonsorial which is also hosting “Shave Your Head, to Save Your Head,” on February 23<sup>rd</sup> from 5 to 7 PM, for \$5 and all proceeds go to the Ski-A-Thon. Blue Canyon, Instant Imprints, Christies Sports, Office Depot, FOX radio station, Jibij, Leedom, Rock Star, Smith Optics, and Arapahoe Basin are also major contributors.

The Betas would like to invite everyone at Mines to Ski-A-Thon. This year the event is being held at Arapahoe Basin on February 25<sup>th</sup>. For anybody who would like to attend who doesn’t already have a lift ticket, the cost is \$40, which includes a lift ticket, lunch, an event T-Shirt, and a raffle ticket.

If you already have a lift ticket, the cost is only \$10. The Betas will have a booth set up in the Student Center to sell event packages during the weekdays of February 10<sup>th</sup> through the 23<sup>rd</sup>, from 11:00 AM to 1:00 PM, and 4:00 to 7:00 PM. Come out to have a great day of riding and help Colorado!



Courtesy Mike Patterson

**Crowds gathered to hear the winners of the Ski-A-Thon raffle last year at Loveland Ski Area. The event promotes helmet safety.**

# Who Says Rocks Are Boring?

## Geology Museum worth a visit

**Phillip M. Persson**  
Geology Museum Affiliate

Unbeknownst to many students, The Colorado School of Mines boasts one of the nation’s finest geological and mineralogical museums, arguably the most important facility of its kind in the Rocky Mountain West. As a museum employee and tour guide, a large part of my job involves providing guided tours for the many school groups that visit the museum throughout the academic year.

Facilitating these tours can be both a rewarding and challenging experience, but the net result of having helped educate visitors in the earth sciences far outweighs any difficulties.

The majority of the groups that schedule tours with the museum are from elementary and middle schools, usually students in grades 2 through 8. Most public schools incorporate a fairly comprehensive basic earth science overview into the curriculum sometime between grades 5 and 8, so those students account for much of our tour activity.

It is disheartening at times, though, to see the lack of Mines students visiting the museum. The only organized groups of Mines students I see regularly at the museum are freshman lab groups from the SYGN-101 course, who often seem disinterested and, at worst, offended at having to set foot in such a nerdy and eccentric place.

As stewards of the earth and its resources, we must maintain the spirit of intellectual discovery that our school was founded on and, in doing so, be open to new experiences and ideas. There is an old saying that goes; “If it can’t be grown, it has to be mined,” and even in the 21<sup>st</sup> century, this is as true as ever. I always ask young school groups where

they think the parts that make their computers or cell phones or houses come from, and their responses reflect a society increasingly distant from mining and minerals, the foundations of our industrial society.

I often feel that groups from outside CSM are gaining more from the museum than students within the university that have full and ready access to any facet of the institution. I recognize, of course, that geology and mineralogy are not everyone’s forte, but there is so much more to the museum than just “rocks,” as many students seem to assume.

Even if your major isn’t remotely related to the geological sciences, a visit to the geology museum is both enlightening and enjoyable, and surely a student body as intellectually adept and science-oriented as that at Mines can appreciate the incredible diversity of the mineral kingdom.

Science aside; even from a purely aesthetical viewpoint the CSM Geology Museum presents a truly exceptional experience, showcasing hundreds of unique and world-class specimens, ranging from huge gem crystals to one-of-a-kind rare species. The museum received a major upgrade in the fall of 2003 with the unveiling of a new state-of-the-art facility within the General Research Lab.

This press release from September 10<sup>th</sup>, 2003, highlights the expansion: “The old museum, visited annually by 12,000 to 15,000 people, has moved to the newest building on the Mines campus, The General Research Laboratory at 1310 Maple Street. Now this older-than-the-school-itself mineral collection is housed in a larger, luscious space with gleaming wood floors, sparkling glass cases, historical Colorado photos and a stunning view of surrounding mountains. It’s an environment worthy of a stellar – and growing – mineral collection.”

We have on display one of the

premier collections of native Colorado minerals, on loan courtesy of noted Denver collector Dave Bunk. Recently unveiled exhibits include a demonstration of fluorescence, a spectacular property of some minerals, along with a noted collection of tourmaline gem crystals from Maine.

Incredible crystallized specimens of native silver and gold from Colorado and around the world abound in the museum, and many of our more prominent specimens on display are considered to be the best of their type or species in the world.

Our mine replica features a walk-through passage designed to simulate an underground mine, complete with a mannequin miner and motion-activated mine noises.

We recently renovated our meteorite exhibit, which highlights superb examples of not-so-terrestrial rocks found around the world, including a touchable nickel-iron meteorite from Arizona weighing in at more than 100 pounds.

Our fossil exhibit spans geologic time from 4.6 billion years ago up until today, presenting a fascinating cross-section of diversity and life through the ages.

Educational exhibits on the lower floor enlighten both the young and the old on such principles as the rock cycle, radioactivity in nature, and the classification and cutting of gemstones. Treasures such as a brontosaurus femur from Dinosaur Ridge in Morrison, a 400 pound cut and polished mass of rich silver ore from Cobalt, Ontario, and our ever-popular twin jadeite frog carvings at the front desk can all be seen and touched up close.

Minerals are not all that is displayed at the museum; our exhibit of “nature’s fine art” is completed by a

suite of large, spectacular paintings illustrating our mining heritage, as well as an incredible, antique stained-glass window from a razed 19<sup>th</sup> century Scottish church. Lastly, the museum incorporates an outdoor geology trail into most tours, which includes viewing Stegosaurus tracks and plant fossils in-situ, and a superb view of both the Golden Valley and the Colorado Front Range. Pamphlets for a self-guided walk of the approximately ½-mile trail are available.

*“There is so much more to the museum than just ‘rocks,’ as many students seem to assume”*

The uniqueness of the CSM Geology Museum experience cannot be emphasized enough. This is truly a world class institution which is, in many ways, in the same league as the mineral displays at institutions such as the Smithsonian and the American Museum of Natural History in New York. Most of all, the museum is a changing, dynamic place, far from a musty repository for old rocks that no one cares about; a myth much of the student body seems to believe.

Our knowledgeable and helpful staff, led by experienced curator Dr Paul Bartos, is there to ensure that your visit to the museum is both educational and enjoyable. The museum is open from 9 AM to 4 PM Monday through Saturday, from 1-4 PM Sunday, and is closed for school and national holidays.

To schedule a tour, or for more information, please call the front desk at (303) 273-3815. Dr Bartos, the museum director, can be reached at (303) 273-3823. Admission is free.

As students at an institution whose roots are firmly grounded (no pun intended!) in the earth sciences, every Mines student owes it to themselves to visit the museum at least once.

Who knows, you may even find that those “boring old rocks” you had to memorize in Earth are actually pretty cool!



# Get ITER Done

## Overview of the international fusion project

**Hilary Brown**  
Features Editor

It's time to welcome the newest contender for the ultimate source of energy. Drawing from the power of the stars, the ITER fusion reactor aims to develop commercial fusion. The official consortium was formed last November and the "Safety Review and Public Enquiry" phase of the project began in January.

Originally, ITER meant "International Thermonuclear Experimental Reactor," but due to negative connotations from "thermonuclear" and "experimental" the title has been abandoned. Instead, the project is just called ITER, which is Latin for "the journey" or "the path." ITER plans to build and test a fusion reactor, enabling development of fusion technologies.

The ITER program is intended to last thirty years. During the first ten, construction will occur. The last twenty will be marked by an operational fusion reactor. The reactor will be used to test the commercial viability of the fusion process and develop the designs and procedures for such facilities to be built. "It's been in the planning/design stage for probably twenty years; and it will be another ten years before it is operating," said Dr. Ed Cecil, a physics professor at the Colorado School of Mines.

ITER's overall goal is to "to demonstrate the scientific and technological feasibility of fusion power for peaceful purposes." Furthermore, it will try to show that fusion can be used to produce electricity efficiently, safely, and with minimal environmental side effects.

Fusion is the process of combining two light elements to create a heavier element. It is the source of power for the stars. The heaviest element that can be created from fusion is Iron and all elements with lower atomic numbers than Iron can be fused together.

The ITER reactor will combine Deuterium and Tritium to create Helium and high energy neutrons. Deuterium consists of one proton, one neutron, and one electron. Tritium has one proton, two neutrons, and one electron. Both Deuterium and Tritium are isotopes of Hydrogen.

Deuterium and Tritium were chosen because their fusion reaction can take place at lower temperatures than other elements. They are also readily available: Deuterium is in seawater and Tritium can be removed from Lithium, which makes up the Earth's crust.

The specific technical goals of the project include producing more power than it consumes, implementing and testing technologies and processes required for commercial plants, and testing and developing concepts to breed Tritium from Lithium.

The reactor will use the *tokamak* design, in which strong magnetic fields confine a torus-shaped fusion plasma. The plasma is expected to

"In the long run, fusion is a good source of energy, with no intrinsic radioactive by-products as in the case of fission reactors. The first generation of fusion reactors will have secondary radioactivity due to the neutron activation but that can be engineered to a minimum. The later generations, relying purely on the deuterium in sea water (and maybe  $^3\text{He}$  from the surface of the moon) will be much cleaner."

Some critics claim that fusion is not a good solution. They argue that it will not be a viable energy source for at least fifty years. Fusion technology is young and many believe that scientists do not know how to handle large scale reactions. Others doubt that materials can be made resilient enough to last for the lifetime of the reactor.

However, "there are a number of very successful, albeit smaller, fusion devices around the world, there's one here in San Diego at General Atomics and there are ones at Princeton and Oxford where I have been collaborating. Thus there is this solid base of experience on which ITER is being built," said Dr. Cecil, who is in San Diego attending a meeting devoted to ITER this week.

The estimated cost is \$12.1 billion, and it will be split between the seven consortium members. Seven countries and organizations agreed to fund the project on Nov 21, 2006. The consortium consists of China, the European Union, India, Japan, Russia, South Korea, and the United States.

"It is a truly international (as the name implies) effort with the best fusion energy scientists from around the world collaborating. I can't recall when there has been a major scientific/engineering project with such a broad scope of collaboration," said Dr. Cecil.

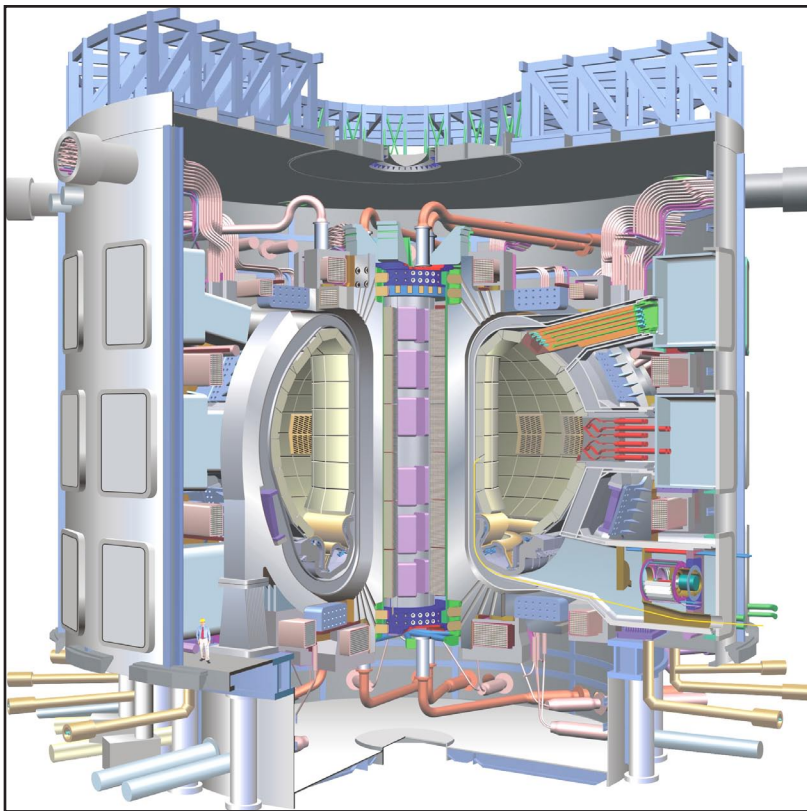
The facility will be built in the south of France, at Cadarache. Canada, the EU, and Japan all vied for the location of the reactor. Canada left the consortium soon after the European location was announced. Discussions and organization for the project began in 1985. A detailed design for the project was adopted in 2001.

reach 100 million degrees and to produce about 500MW of power.

The project will allow scientists to study plasmas in conditions that would exist at future commercial fusion plants. Plasma is an ionized gas and is a distinct state of matter because different properties result from the ionization. ITER's first plasma is expected to be produced in 2016.

Energy is absorbed by the materials around the plasma. These materials must tolerate high temperatures and electromagnetic fields. During the operation of the reactor, materials will be tested. The metal material directly surrounding the plasma will become radioactive. The radioactive half-life is expected to be decades, rather than fission products' half-life of thousands of years.

Supporters of fusion claim that it is safe, does not produce waste that is a burden for future generations, emits no greenhouse gases, and provides large scale energy production. Fusion reactors are safer because they will only need to have grams of the elements on site, versus kilograms for nuclear fission plants. Furthermore, fusion is easier to control than fission, so fewer accidents are expected.



Courtesy <http://www.wikipedia.com>

**The ITER design utilizes a "tokamak" design. The tokamak holds the fusion plasma in place with strong electromagnetic fields.**

*"In the long run, fusion is a good source of energy, with no intrinsic radioactive by-products as in the case of fission reactors. The first generation of fusion reactors will have secondary radioactivity due to the neutron activation but that can be engineered to a minimum."*

*"It is a truly international effort with the best fusion energy scientists from around the world collaborating."*

# Poetry Corner

## Nothing Ventured

*in memory of Dr. Martin Luther King, 1-15-07*

Of giants and men,  
missions and bones,  
scattered along the lost roads,  
the past falls away from old equations  
no longer divisible by gender, color or fear.  
Yesterday's voices mark the future trail,  
the shape of tomorrow, hopeful  
something like grace.

The haters have pulled buoys  
down to deep water  
where the light is desperate  
the sound is lost to fears of dark.  
But they can't hold on forever,  
the rise inevitable.

Innovative integrity imagining  
something new  
the world stares hiding  
under their blue  
white and red defending their cowardice  
and hate  
hiding under their walk, talk  
their guns and their rape.

A quiet truth looks inward  
to the giant statue of Lincoln,  
the long shadow cast over the reflecting pool  
as it washes away the darkness  
and mixes with light until no-color exists,  
reality rests waiting for society  
to catch up and bring it to life.

I hold my daughter's hand and  
we'll march.  
My wife doesn't want her  
to be here.

I say—  
she will be strong  
she will learn  
she will experience  
she will have a story to tell  
her grandchildren.

She will see.  
She will feel.

The fire hoses sting  
The German Shepard's bite  
the tear gas burns.

But my daughter will be strong.

No more, I will be who I am,  
No need, to please those who nurtured me,  
No shame, in who dislikes the words I choose  
I am.

A sea of faces  
look toward hope  
waves of sound roaring  
over the water to the needle that stabs the sky  
where one stands  
alone  
surrounded  
united  
unbound.

Why do people judge on first impression?  
We gain our own immunity through our unity  
He inspires those spirits in desperation,  
defying those who tried burning our soul with brutality.

fingers  
all aligned, locked, curled strong  
wanting people to do the same  
fist held high over a shoulder  
lifting up to show, not hide, hopes, fears, dreams.

The man who stood for those who couldn't.  
The voice that spoke for those muted by oppression.  
A strong-firm-steady-hope echoing  
over the crowd, the pool, reflecting,  
police standing ready with guns cocked, teeth clenched.

The pregnant globe  
too long covered  
in its veil of coarse grey dust  
suffocating the world of knowledge  
that should be free  
soon shall cast off its  
enveloping  
blinding  
shackles.

Written by the poets from LAIS 401: Poetry Workshop:

|                  |                    |
|------------------|--------------------|
| Rachael Cisneros | Laura Deherrera    |
| Myra Dyer        | Rick Gonzales      |
| Steve Granado    | Chris Lopez        |
| Toni Lefton      | Brandon Prioreschi |
| James Reeves     | Millicent Schmidt  |
| Sabu Watanabe    |                    |

CALLING ALL POETS

Please send Poetry

Corner submissions to

[oredig@mines.edu](mailto:oredig@mines.edu)



# Commercial Spots- Hot or Not?

**Mike Stone**  
Staff Reporter

Besides the excessive turnovers, Super Bowl XLI showed no disappointment this year as Peyton Manning got his ring and Tony Dungy became the first African-American Coach to win a Super Bowl. One other thing didn't show any disappointment: the commercials.

This year, 30 second commercials topped out at 2.6 million dollars when, just back in 1997, 30 second spots cost \$600,000. (money.cnn.com) However, no economics expert would predict the prices dropping in the future. "Prices won't go down until people stop watching the Super Bowl and that's not happening soon," noted Millie Snell.

So, how good were they this year? Most approved, but others were fond of the past. "They weren't as good as last year, but they were still pretty funny," said Zach Mills,

a student at Mines. Cbs.com ranks its top ten Super Bowl commercials of all time with *Mean Joe Green*(1980) at #1, *Lamb Streaker*(2006) at #2, and *Joe Namath & Fara Fawcett*(1973) at #3. This reporter finds #4 (Ameriquest Mortgage's *Hospital*(2006)) the funniest. If that's not one of the best, then this year's commercials must have taken its place.

In 2007, the Super Bowl commercial numbers came out to 7 truck ads, 6 food ads, 5 career choice ads, 2 shipping ads, 2 airline ads, 2 investment firm ads, 1 movie promo, and 11 drink commercials, 8 of which were for beer. Others included CBS show promos, a heart health commercial, a godaddy.com marketing department ad, and an HP computer commercial featuring the star of *Orange County Choppers*.

Some note-worthy ads include a



Snickers spot, where two guys accidentally kiss, and rip out chest hair to compensate for their lost "manliness." Taco Bell came back with two lions having a candid conversation on how to pronounce "Carne Asada" like Ricardo Bontimon. Next, Bud Light didn't disappoint with a man picking up a hitchhiker with an axe, calling it a "bottle opener." Finally, Fedex taught us not to judge a book by its cover by introducing a hairy man named Harry, a man who constantly agrees named Bob, and a woman with one leg

shorter than the other named Ilene.

Doritos also had a surprisingly funny pair of commercials, boasting that they were the first fan-made commercials in Super Bowl history. Kevin Federline made a humble appearance and Careerbuilder.com contributed a barbaric look on three white-collar job situations.

To round off the two minute warning, the "Best Super Bowl Commercial of All Time" showed upset fans from all over the country upset the season is over saying; "It's hard to say goodbye," then showing Brett Farve and adding; "It's even harder for others." No matter how hard it is, this year's season is over along with the commercials we all love.

You can check out all the ads you missed at <http://www.sportsline.com/nfl/postseason/superads>.

# Geek of the Week

...Dr. Todd Ruskell, Physics Faculty

**Konrad Klett**  
Asst. Sports Editor

**[Oredigger] What is your favorite activity or sport?**

[Dr. Ruskell] Bi-cycling.

**What is geekiest thing you've ever done?**

I participated in a series of experiments on the physical properties of Twinkies.

**What is the geekiest thing you have seen at Mines?**

A bunch of the physics majors took a bunch of science quotes from movies and put them on the wall of famous science quotes.

**Can you solve a Rubik's Cube?**

I was once was able to, so yes.

**What are your thoughts on the "ratio"?**

We need to work on making it more equalized.

**What is your best geek joke?**

Some government officials wanted to optimize their states' dairy production. They first went to a biologist, two years later he came up with a way to improve dairy production by 1.5%. The officials were disappointed and took their case to a chemist. One year later, the chemist came back with a way to increase production by 15%. The officials were impressed but wanted even more. Finally they went to a physi-

cist. One year later the physicist came up with a way to bring production up by 100%. The officials were very impressed and asked him how he did it. The physicist said, "Well, imagine if you will a spherical cow..."

**What is your favorite IM acronym?**

I don't use IM.

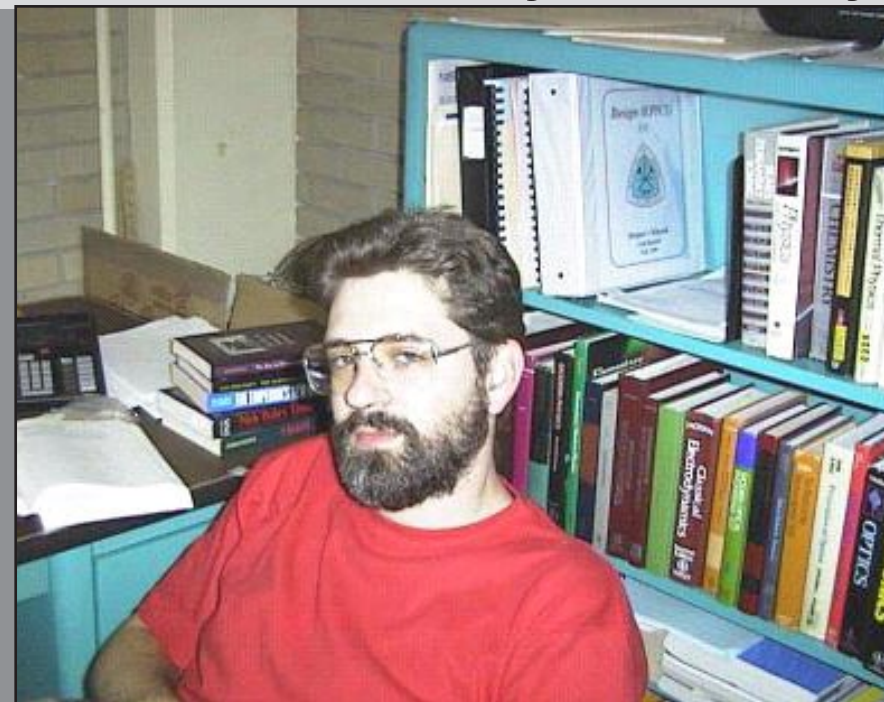
**What is the coolest thing in science, ever?**

The Bose Einstein Condensate.

**What is your most hated math "thing"?**

When students don't remember basic geometry.

**Do you like video games, and if so, what kind?**



Courtesy Dr. Todd Ruskell

**Dr. Ruskell is a spelling bee champion and an expert on the physical properties of Twinkies. Even better, he sounds off about the CSM physics majors.**

Yes, Doom, when it was state-of-the-art.

**Name something impressive you have done?**

I was the grade school spelling bee champion.

**A physicist who can spell, that is impressive.**

(Laughs).

**What were your plans for life when you were an under-graduate?**

I wanted to teach.

**Would you like to nominate a friend for Geek of the Week?**

Email [oredig@mines.edu](mailto:oredig@mines.edu)

## ENGINEER Gas Storage

Gas Technology Institute (GTI), the nation's leading research, development and training organization serving energy markets, has an opportunity for an Engineer/Geologist in our Delivery Technical Resources Group. Responsibilities include performing research and evaluation of natural gas storage systems, specifically the analysis and evaluation of reservoir characteristics and performance, field instrumentation, measurement systems, and economic performance.

Bachelor's degree (B.Sc.) in Geology, Petroleum Engineering, Mechanical, or Geological Engineering is required. Experience in reservoir engineering and gas storage or an M.Sc. degree is required.

Must have authorization to work permanently in the U.S. Please visit our website at: [www.gastechnology.org](http://www.gastechnology.org) and apply online. Only accepting online applicants. EOE

**gti**®

Come to the New and Improved Ace-Hi with our NEW HEATED SMOKING PATIO

## Ace-Hi Tavern

**\$4 PBR Pitchers All the Time**  
**\$4 Pitchers: Mon. - Thurs. 9 - Close**

**\$2 Shots:** Jager, Rumple, Jameson, Goldschlager Sun - Thurs 9 PM - Close

**Ladies Night:** Thurs. 9 - 12 AM Drink Free(Draw, Well, Wine)

**Beer Pong Tourney Every Thurs.:** Sign-Up @ 9 PM

**\$2 U-Call It:** Tues 9 PM - Close

**Sat. & Sun. ALL THE TIME:** \$4 Pitchers,

\$3.50 Long Island Iced Tea, \$1.50 Drafts



**BRING IN THIS COUPON FOR**

**A \$3 DOMESTIC PITCHER**

Bud, Bud Light, Coors, Coors Light, PBR

Expires Feb. 20, 2007



# Colts Survive Soggy Super Bowl

## Avalanche Star Sits Down with Oredigger



Courtesy Denver Post/Andy Cross

Colorado Avalanche LW Andrew Brunette slips a between-the-legs goal in a preseason game

## Andrew Brunette Talks About Career, Colorado, and Clear Plastic Wrap

**Bruce Bugbee**  
Sports Editor

Colorado Avalanche left wing Andrew Brunette is considered by many to be one of the main reasons that the Av's are still in the thick of things fighting for the lead in the Northwest Division. Ranked only behind captain Joe Sakic in points this season, Brunette has spent 11 years in the NHL and has been a growing force felt throughout the league. Drafted by the Washington Senators in 1995, Brunette played for the Senators, the Nashville Predators, and the Minnesota Wild before coming to Colorado two seasons ago.

The Oredigger got to sit down with Brunette and pick his mind about his greatest achievements, his most embarrassing moments, and his thoughts on Colorado.

**How young were you when you started playing organized hockey?**

"I was about six years old when I actually started playing organized hockey. I started skating around age four, mainly on outdoor rinks near my house."

**What was it like having to move**

**away from home at 16 to go play juniors?**

"Leaving home to go play juniors was a really tough time. Being so young and having to move a couple hours away from home to where my team was located was definitely a big step. It helped that I stayed with a host family with one other player. It was nice still having that home environment."

**What would you say is the most embarrassing moment on the ice you've experienced?**

"I guess the most embarrassing moment I've had would have to be this one time when I was playing in the minors when one of my buddies covered my skate blade in clear plastic wrap so when I stepped onto the ice, I fell flat on my face."

**What would you say is your greatest hockey achievement thus far into your career?**

"I guess my greatest accomplishment would have to be just playing in the NHL. As far as single moments go, I was the first player ever to score a goal for the Nashville Predators. Also I was the last player to ever score a goal on Patrick Roy."

**How was it coming to Colorado**

**after scoring that goal on Roy, who is arguably one of the greatest players in Colorado's history?**

"When I first got here I got a little ribbing for being the guy who scored that goal on Roy before he retired, but after a while everyone realized that I was there to win and that is what really matters."

**How do you like living in Colorado?**

"I love it here. There isn't much more you could ask for in a place to live. Its got great weather and the Rocky Mountains are right there."

**Where else do you like to spend time besides Colorado?**

"I have a home in Northern Ontario where I like to spend a lot of the offseason"

**How would you describe Avs fans?**

"Avs fans are extremely passionate. Sometimes they can get rowdy and that makes for a very intimidating environment for other teams."

Catch Brunette and the Av's next game on Thursday night, when they face the rival Detroit Red Wings at Joe Louis Arena in Detroit.

## Indianapolis Colts 29, Chicago Bears 17



Courtesy Sports Illustrated/Damian Strohmeyer

Indianapolis safety Bob Sanders forces a first quarter fumble after tackling Chicago running back Cedric Benson during the Colts 29-17 win on Sunday.

## Manning, Dungy Silence Critics With Victory in Super Bowl XLI

**Andrew Aschenbrenner**  
Staff Reporter

### In Good Company...

With his victory Sunday, Peyton Manning became the ninth quarterback to win a Super Bowl in Miami. All of the previous eight quarterbacks are now in the Pro Football Hall of Fame.

### Neighbouring Rivals...

At 164 miles apart, Chicago and Indianapolis are the geographically closest Super Bowl cities ever, barely beating out Super Bowl XXXV participants Baltimore and New York Giants, which are 170 miles apart.

### Two For the Money...

While Indianapolis coach Tony Dungy became the first African-American coach to win a Super Bowl, he also joined the ranks of Mike Ditka and Tom Flores by becoming the third person to ever win a Super Bowl as both a player and a coach.

when they played in Baltimore.

At first, it looked like the Bears would keep momentum at least through the first half after they took a 14-6 lead on Muhsin Muhammad's touchdown catch from Grossman, but it was all Colts from there. Chicago's defense was unable to stop the short passing game of Manning. The Bears were also unable to create consistency on offense, finishing 3 for 10 on third down conversions.

Thomas Jones had 60 yards on 14 carries outside of a 52-yard run in the first quarter, and Grossman was 20 for 28 for 165 yards and the touchdown to Muhammad, but it wasn't enough. Manning, along with Joseph Addai and Dominic Rhodes, controlled the clock and pushed the Bears defense around. The most telling stat of the game was not yardage or touchdowns. It was time of possession. The Colts held the ball almost twice

as long as the Bears.

The Bears were still in the game into the fourth quarter, where they were as close as five points before Rex Grossman threw an interception to Kelvin Hayden with 11:44 left. Chicago still had a chance to win, but continued their game-long pattern of failing to execute on offense.

Tony Dungy was able to lead his team to a championship, validating his name as a great coach in the NFL and realizing a dream that began with his hire as Tampa Bay's head coach in 1996. As a head coach with a defensive background, Dungy had to be proud as his defense smothered the Bears. He joins Mike Ditka and Tom Flores as the third coach to win the Super Bowl as a player and a head coach.

Manning wasn't spectacular on Sunday, but he didn't need to be. He did exactly what was necessary. He filled his role as leader, managing the game for the Colts and hoisting the Lombardi trophy at the end. Manning will no longer be mentioned as a quarterback who can't win the big one. He rose to the challenge in Super Bowl XLI, and now he and the Indianapolis Colts are NFL Champions.

## CSM Men's B-Ball Tops Regis University

CSM 71, Regis 49

Courtesy CSM Athletics

Colorado School of Mines sophomore guard Kyle Pape scored 22 points to lead the Orediggers to their fourth win in the last five games, 71-49, over Regis on Saturday night in Rocky Mountain Athletic Conference action in Volk Gym.

CSM fell behind 10-0 just four minutes into the game and trailed by as many as 12 points (26-14) with 5:53 to play in the first half. However, the Orediggers finished the half on a 19-3 run to take a 33-29 lead at halftime.

The Orediggers pushed the lead to 11 points (40-29) on a three-pointer from sophomore guard Grant Gunhus with 16:15 to play and the Rangers did not threaten from there.

Gunhus finished with 13 points, while senior forward Davey Iverson added 10 points and four rebounds. CSM out-rebounded the Rangers 36-25.

Regis (7-13, 2-11 RMAC) was led by Brandon Butler who totaled 17 points and six boards.

CSM (12-9, 6-7 RMAC) pulled to within one game of UC-Colorado Springs (14-7, 7-6 RMAC) in the RMAC East Division. The Orediggers will return to action Thursday night.



Courtesy CSM Athletics

Colorado School of Mines sophomore guard Kyle Pope scored 22 points in the Oredigger win over Regis University on Saturday.

## Oredigger Women Drop to Regis University

Regis 54, CSM 45

Courtesy CSM Athletics

Despite a career-high 30 points from senior guard Iva Tomova, the Colorado School of Mines women's basketball team fell to 24th-ranked Regis University, 54-45, in Rocky Mountain Athletic Conference action Saturday night in Volk Gym.

CSM fell to 12-9 overall and 9-4 in the RMAC, while the Rangers, ranked sixth in the North Central Region and 23rd in Division II, improved to 17-4 (12-1 RMAC).

Regis led 26-16 with 1:47 to play in the first half, but the Orediggers cut the lead to five (27-22) at the break. CSM was then able to knot the game at 40-40 with 5:31 to play, which marked the first time the Orediggers tied the game all night.

However, Regis closed the game on a 14-5 run to claim the win.

The Rangers were led by Breanne Burley who scored 15 points and added four boards. Diana Lopez added 10 points and six rebounds.



Courtesy CSM Athletics

Mines' senior guard Iva Tomova scored a career-high 30 pts on Saturday

CSM will return to action Thursday night when it travels to Nebraska-

Kearney for a 6:00 pm tipoff.





# Oscars in Spotlight



**Andrew Aschenbrenner**  
Entertainment Editor

The biggest awards show in Hollywood is coming up on February 25<sup>th</sup>, and the Academy Awards look to have another great year. The 79<sup>th</sup> annual edition of the event includes a strong lineup of nominated films, including *Dreamgirls*, *Babel*, *The Departed*, and *The Queen*. Mix in a great host like Ellen DeGeneres and

you have the recipe for the greatest night in entertainment. DeGeneres is hosting the Oscars for the first time, after having hosted the Emmys twice before. *Dreamgirls* and *Babel* lead the way with eight and seven nominations respectively. Four Oredigger staffers have picked winners in all twenty-four categories, and we will recap the Oscars in our March 7 issue.

The Academy Awards air February 25th at 6pm on ABC.



**KAHUNA VENTURES LLC**  
NATURAL GAS PROCESSING, TREATING & PROJECT CONSULTING

Kahuna Ventures provides Engineering and Project/Construction Management expertise to the US Natural Gas Industry. Kahuna has extensive experience in gathering, compression, dehydration, treating, processing, and fractionation of natural gas and natural gas liquids.

Kahuna is currently looking for entry level Engineers in the Chemical, Civil, Electrical, Environmental, Mechanical, and Petroleum disciplines who are interested in hands-on, practical experience in designing, building, and operating natural gas facilities. Advancement opportunities to Project Management are available to all Engineers. Training emphasis includes practical hands on engineering, field construction, and operation of natural gas facilities.

|                          | Chase                 | Adam                     | Andrew                | Bruce                    |
|--------------------------|-----------------------|--------------------------|-----------------------|--------------------------|
| Best Picture             | The Departed          | The Departed             | Little Miss Sunshine  | The Departed             |
| Best Actor               | Forest Whitaker       | Will Smith               | Forest Whitaker       | Forest Whitaker          |
| Best Actress             | Helen Mirren          | Helen Mirren             | Helen Mirren          | Helen Mirren             |
| Best Supporting Actor    | Djimon Hounsou        | Mark Wahlberg            | Alan Arkin            | Mark Wahlberg            |
| Best Supporting Actress  | Jennifer Hudson       | Abigail Breslin          | Jennifer Hudson       | Abigail Breslin          |
| Best Director            | The Departed          | Babel                    | Letters From Iwo Jima | The Departed             |
| Animated Feature         | Happy Feet            | Happy Feet               | Cars                  | Cars                     |
| Art Direction            | Pan's Labyrinth       | The Good Shepherd        | Dreamgirls            | The Prestige             |
| Cinematography           | The Prestige          | Children of Men          | Children of Men       | Children of Men          |
| Costume Design           | Marie Antoinette      | The Queen                | The Queen             | Dreamgirls               |
| Documentary Feature      | An Inconvenient Truth | An Inconvenient Truth    | An Inconvenient Truth | An Inconvenient Truth    |
| Documentary Short        | Recycled Life         | Rehearsing A Dream       | Recycled Life         | Rehearsing A Dream       |
| Film Editing             | The Departed          | The Departed             | Babel                 | Children of Men          |
| Foreign Language Film    | Days of Glory         | Pan's Labyrinth          | Pan's Labyrinth       | Pan's Labyrinth          |
| Makeup                   | Pan's Labyrinth       | Apocalypto               | Pan's Labyrinth       | Pan's Labyrinth          |
| Original Score           | The Good German       | Babel                    | Pan's Labyrinth       | Notes on a Scandal       |
| Original Song            | "Listen" -Dreamgirls  | An Inconvenient Truth    | An Inconvenient Truth | "Listen" -Dreamgirls     |
| Screenplay -Adapted      | Children of Men       | The Departed             | Children of Men       | The Departed             |
| Screenplay -Original     | Little Miss Sunshine  | The Queen                | Letters From Iwo Jima | Little Miss Sunshine     |
| Short Film (animated)    | Lifted                | Lifted                   | The Little Matchgirl  | The Little Matchgirl     |
| Short Film (live action) | West Bank Story       | The Saviour              | West Bank Story       | The Saviour              |
| Sound Editing            | Flags of Our Fathers  | Flags of Our Fathers     | Letters From Iwo Jima | Letters From Iwo Jima    |
| Sound Mixing             | Flags of Our Fathers  | Pirates of the Caribbean | Apocalypto            | Apocalypto               |
| Visual Effects           | Superman Returns      | Poseidon                 | Superman Returns      | Pirates of the Caribbean |

# College Night!

## Every Monday

### 9-11 p.m.

# Specials

**\$1.00**  
**Games, shoes,**  
**sodas & domestic**  
**draft beers**

# Golden Bowl

*Lane Reservations Always Accepted*

Golden Bowl & Chinese Restaurant (303)279-7846 Fax (303)384-0230  
525 24<sup>th</sup> St. Golden, CO 80401 [www.goldenbowl300club.com](http://www.goldenbowl300club.com)

# WoW Breaking New Boundaries



**Konrad Klett**  
Asst. Sports Editor

If you find a friend or roommate disappearing for days at a time to do “homework” but they never actually get it done, there is a good chance that this person is into *World of Warcraft*. WOW, as it is often abbreviated, is a massively multiplayer online role-playing game (MMORPG). For those of you completely unacquainted, the scenario is medieval magic, as in elves, orcs, etc. Think Lord of the Rings. WOW was first introduced in 1995 with the title Orcs and Humans. The scenario takes place in a fantasy land called World of Azeroth.

There are over eight million players around the world and plenty of

computer players one can interact with as well. Over time, Blizzard, the maker of WOW, has moved the game towards more traditional MMORPG’s in response to complaints of players who play more than just WOW. In addition to playing different races or sexes, players pick a profession which can help them to have greater skill in various practical ways. There are so many player levels and skills to acquire that players must spend a significant amount of time to get anywhere in the game. With the newest expansion pack, released January 16<sup>th</sup>, one new race has been added to each faction.

Of special note, Blizzard worked with the makers of South Park on Comedy Central to make the episode “Make love, not Warcraft.” The episode brought in nearly three and a half million viewers, making it Comedy Central’s best midseason premiere since 2000. Dr. Maressa Orzack, a psychologist from Massachusetts, weighed in on the phenomenon recently, estimating; “I’d say that 40 percent of the players are addicted.” The game sells at a retail price of \$20, and it costs around \$15 a month to play. There are other similar games that are free to play after the initial purchase, but none have been as popular as WOW.



# Reel Geek

## A film geek writes about geeks on film

Jen Schneider  
Columnist

In my “Introduction to Film Studies” class, I ask my students to see some good old movies, and they encourage me to see films I might never see otherwise. Below are comments on their recent pick, *Idiocracy* and of mine, *Human Nature*.

**Students’ Pick:**  
**Idiocracy (2006)**

*Idiocracy*, a film by Mike Judge (creator of *Beavis and Butt-head* and *King of the Hill*) tells the story of Joe Bauers (Luke Wilson), an enlisted guy remarkable only for his incredible average-ness. Joe and prostitute Rita (Maya Rudolph) have been chosen by the military to run a “pod” experiment whereby they will be knocked out and placed in a pod for one year, then reawakened and tested.

Of course, someone messes up, and Joe and Rita wake not one but 500 years later, to find the planet being run into the ground by a mass of stupid humans—represented in this movie by inner city hoodlums, valley girls, and rednecks. The planet is a wreck: a giant corporation (whose key product closely resembles Gatorade) has convinced everyone that water only belongs in toilets. As a result, people have been watering their crops with the sports drink (“It’s got what plants crave—electrolytes!”), thus creating a giant dust bowl.

Other problems abound: the economy is a wreck, nuclear plants are leaking, garbage dumps have gotten so huge that there are trash avalanches, and the entire culture is over-run by consumerism, criminality, and a Costco the size of a small town. People, in short, are dumb.

Joe, who before had been so average, is now deemed the smartest man on the planet. There are plenty of hijinks that ensue, but Joe eventually ends up marrying Rita, being elected “President of America,” and “getting the ball rolling” for the future of humankind by making smart kids with her.

I guess I get what the movie was about. Joe is the “Average Joe,” the guy who just wants to “get out of the way” and let other people make decisions, the guy who doesn’t want to commit or be involved or be responsible. Until guys like Joe step up to the plate and start to make a difference, problems like the Gatorade-induced dustbowl could eventually become reality, the film tells us. That’s a good (and funny) message.

What’s not such a great message is that “stupid” gets equated with black/female/rural in this movie. Don’t get me wrong: I like the film’s basic spoof on our over-consumerist lifestyles, on corporate greed, on our devaluing of education. But this films wants to blame everything on McDonald’s, Nascar, and ebonics, which is an

oversimplification (and reification) of those things that already divide us.

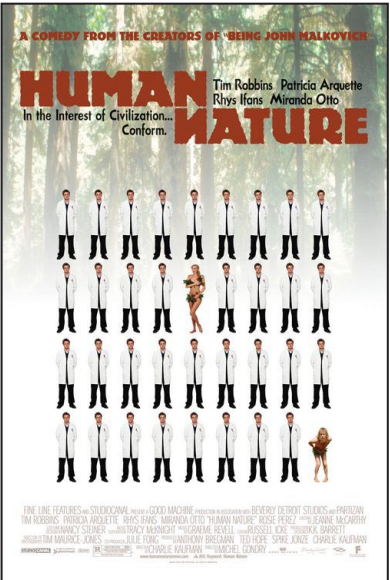
There’s also the problem I always have with these sorts of movies—be they action or comedy—which is the unquestioned belief that smarts and technology can save us from ourselves. Perhaps it’s heresy to say so at a school like Mines, but I’m not sure I can totally believe this. I’d rather see us not create the mountain of garbage to begin with.

So, a funny movie. But maybe not as “smart” as it pretends to be.

**My Pick:**  
**Human Nature (2001)**

A much more complex and more thought-provoking spoof, in my opinion, is the Michael Gondry film *Human Nature*, based on a Charlie Kaufman script. I happen to be terribly biased in favor of Charlie Kaufman, who also wrote movies like *Being John Malkovich* (1999) and *Adaptation* (2002). He clearly has a very bizarre, very wonderful, and slightly frightening mind.

Anyway, *Human Nature* tells the story of Lila Jute (Patricia Arquette), a woman who struggles with being overly hirsute. In order to escape the pressures of society (which expects women to be virtually hairless), Lila moves into the wild, roaming naked among the wild creatures. She eventually tires of this life, however, and through a severe hair-removal regimen, she re-enters “civilized”



Courtesy impawards.com

society, where she meets and falls in love with scientist Nathan Bronfman (Tim Robbins).

While on a nature walk together, the two discover a man (later named “Puff”) who has been living like an ape. They adopt him and Bronfman uses him to conduct experiments on manners. Lila falls in love with Puff, however, and returns with him to “nature” where they can both be their hairy, pre-verbal selves. Does Puff stay in the wild with Lila? Or does “human nature” win out? You’ll have to watch and see.

The film raises interesting questions about just what we mean by “human nature,” and complicates the nature/nurture debate. Watch it, and you might think twice next time you use the argument that “It’s just human nature.”

# Arriving Shortly

Chase Hoffman  
Asst. Editor-in-Chief

**February 9<sup>th</sup>**

**Hannibal Rising**  
Weinstein Company  
Horror, Rated R

Directed by Peter Webber

Starring: Gaspard Ulliel

Summary: Everyone is familiar with *Silence of the Lambs*, but this is a prequel showing the very beginnings of Hannibal’s ‘appetite.’

Impression: It seems a little bit like they’re milking the success of the previous films, but this one should be decent. I imagine it will tread some of the same ground as the others. It may only stack up to be a B movie, but it should be good for a scare or two.

**Norbit**

DreamWorks SKG

Comedy, Rated PG-13

Directed by Brian Robbins

Starring: Eddie Murphy

Summary: *Norbit* (Murphy) is a pathetic man who was brought up by Asian parents (one of which is Murphy) and has had the same disgustingly obese girlfriend (Murphy) for as long as he could remember.

Impression: Okay, so if you haven’t seen *The Nutty Professor* and you’ve had a recent lobotomy, I’d recommend buying a ticket. My advice is to buy a lot

of tickets, in fact, buy out all the tickets for that showing so no one will know that you saw such a worthless movie.

**February 14<sup>th</sup>**

**Music and Lyrics**

Warner Bros. Pictures

Romantic Comedy, Rated PG-13

Directed by Marc Lawrence

Starring: Hugh Grant, Drew Barrymore

Summary: Alex Fletcher (Grant) was a pop sensation in the 80’s, but is trying to make a comeback in the 21<sup>st</sup> century. A chance encounter with a younger woman (Barrymore) who has knack for words grants him an excellent song-writing partner. The more they work together, the closer they become.

Impression: The plot is cheesy and these actors have been seen in this role before. I won’t tell you not to see it (especially with Valentine’s Day so close), but be warned it may seem formulaic.

**February 16<sup>th</sup>**

**Ghost Rider**

Sony Pictures

Action, Rated PG-13

Directed by Mark Steven Johnson

Starring: Nicholas Cage, Eva

Mendes

Summary: Johnny Blaze (Cage) made a deal with the Devil to save his father’s life. Now, he is the host of the “spirit of vengeance” and fights the evils that threaten our realm.

Impression: So far we have a pretty good parade of formulaic films and it doesn’t stop here. But don’t let that discourage you. This film will have a few sick action scenes and the special effects will be top-notch.

**Breach**

Universal Pictures

Action/Drama, Rated PG-13

Directed by Billy Ray

Starring: Chris Cooper, Ryan Phillippe

Summary: Eric O’Neill (Phillippe) has just become a federal agent and he has been assigned Robert Hanssen (Cooper) as a mentor. But soon he must investigate Hanssen, since he is believed to be the biggest double-agent the FBI has ever seen. Now, O’Neill must outsmart a smarter agent and hope to come out on top.

Impression: This is probably the best one to be released compared to the rest. It is a little formulaic, but this isn’t an overdone formula either. Expect something along the lines of *Training Day*, but not as awesome.

CAREER DAY!!!  
FEBRUARY 13 - BE READY!

155 COMPANIES WILL FILL STEINHAUER!

THE JOB/INTERNSHIP MARKET IS

HOT!!!

MANY COMPANIES STAYING TO  
INTERVIEW ON FEBRUARY 14  
WITH DIGGERNET RESUME SUBMISSION  
DEADLINES FEBRUARY 1!

DON'T BE LEFT OUT IN THE COLD  
APPLY NOW!!



# Reactions to the State of the Union Address

# Conservative

The border seems to have rightfully pushed its way to the forefront of the domestic political scene. Bush's earned legalization

The overriding issue, though, is Iraq. Iraq will be Bush's legacy. The Democrats are willing to sacrifice America's safety in order to tarnish this legacy. They would withdraw ("strategic redeployment" for all you that prefer denial) from Iraq, and then, in 5 to 20 years when Iraq comes back to bite us, act surprised and bomb an aspirin factory. The Clinton Administration failed to take the fight to the terrorists after the attacks on the Cole and the Army Barracks in Dhahran, Saudi Arabia. Bush, on the other hand, has exported the fight and has made it crystal clear that he will do everything in his power to keep the Democrats from bringing it back home.

## Moderate

A lot of suggestions have been tossed around lately concerning health insurance in the United States. And these suggestions have often involved universal, government-supplied health care. No, thank you! Can you imagine how much

I'm sure my colleagues will find more time to address the war in Iraq, so I will end with a thought on that subject. It was not a terribly good idea to go to war in the first place, perhaps, but the fact remains that we now have an obligation, not only to the Iraqi people, but also to the Americans that have given their lives over in that hell-hole. If we withdraw now, the region will erupt in chaos, easily within a year, and all the efforts put forth in the last four years will have been for naught.

# Liberal

Now is time for neither excuses nor grandiose planning; it is a time for accountability. The President must admit that his judgment, planning, and ideology led the country astray. Now is the time that he must listen to the American people.





# Letters to the Editor

I'm going to cut straight to the point and ask why the hell three entire pages of the recent Oredigger were devoted to comparing computer operating systems? Now I read the school paper for both entertainment and informative news, but come-on, can't you guys do a little better than this? If you're so hard pressed to fill some space you could at the very least inform us of something mildly interesting, like which sorority got their panties stolen last weekend by a bunch of drunk frat boys. I like computers as much as the next guy, but we need to come up with feature articles that are just a little more engaging and creative. I don't really look forward to reading future publications featuring 5 pages of how to graph in 3-D with different calculators. You're better than this.

-Duncan Proctor

I look forward to reading the Oredigger, and I do so religiously while I'm suppose to be doing work in the Computing Center. Yes, I work in the Computing Center. Yes, I can probably remove that virus from your computer. Yes, I could probably read your email if I wanted to. No, I don't really care what's in your email, I've got better things to worry about. The point is: I can easily be classified as a nerd, dork, geek, enginnerd, dwee-baneer, or any other category that the football team doesn't think they fall into.

Computers have enhanced our lives tremendously in the past decade or so. However, despite my credentials, I think there is an important distinction to make about computers that the Oredigger staff is obviously overlooking. COMPUTERS ARE A TOOL. THEY ARE NOT A LIFESTYLE, NOR ARE THEY A RELIGION! Let me break it down for you:

- I count 12 pages in this week's edition
- I count roughly 2 pages worth of advertisements
- That leaves 10 pages for which the Oredigger staff is responsible for writing and compiling.
- I counted 3.5 pages of computer articles!

35% of this school's newspaper is dedicated to trivial articles about Apple's this, or Windows Vista that, or why I should spend 3 weeks of my life learning Linux so I can be a "Power" user. Give me a break! Don't you guys have anything to report about that REAL Mines students care about.

WTF,  
Ben Teschner

Why has the school been removing so many trees lately? Recently there were MANY very old tress chopped down between Brown Building and the new Rec Center. It doesn't seem necessary to me to have these cut down unless they plan on paving a road through there. Even then, why do we need another road? If anything, Mines needs fewer cars driving through campus and more parking off campus. There were also two HUGE old trees removed from the east side of Brown Building, not to mention the numerous trees cut down to make way for the new rec center. Is there any plan to re-plant trees around campus? I know the IM fields could sure use some shade, greenery and wind-blocking trees.

Kevin Jones

# Increasing the Numbers The One and Only Realistic Solution to Iraq

Adam Freeland  
Staff Writer

All the talk in current politics, less the minor domestic issues, focuses on what the media has dubbed an "Iraq exit strategy." An exit is what the Soviet army did in Afghanistan in 1989. The long-term results of this historic exit became evident one clear September morning in 2001. With this lesson burned into our minds, we must not exit Iraq; we must attack the problem.

Terrorists tend to be bred in specific situations. They tend to come from Muslim theocracies without a free media or functioning economy. The terrorists of 9/11 came mostly from The Kingdom of Saudi Arabia, and then were trained in post Soviet Afghanistan.

The mentality of these countries is the problem. They consider the West their enemy.

In Afghanistan we have started a functioning economy and opened up free media. In Afghanistan, we have paved the way. The battle is ongoing, but

the results are evident. Saudi Arabia, on the other hand, has a puppet economy based on foreign labor and foreign investment. Being the prime puppet master of this economy, we use our leverage to get under-the-table results. It is not the best way, but it is a way.

In Iraq, we need a functioning economy. Bush says that freedom

"TiVo," and "Nalgene" are the street terms in thriving economies. "IED," "RPG," "casualty," and "fatality" are the street terms of the current Iraq. This, above all else, needs to change. If we leave, a civil war rages, it ends, and a Muslim theocracy is instated, which stifles a possibly successful economy. It would give birth to

a new post-Soviet-Afghanistan-type terrorist safe haven.

We need to end the violence as soon as possible. We need, as much as I hate to bring up Viet Nam memories, an escalation.

John McCain has said this all along. Bush is now saying it. Both of their numbers fall short. The 20,000 proposed by Bush would put the troop total in Iraq to 156,000. That is still 36,000 less than the highest level in 2003. At the bare minimum, we need to restore the 2003

levels. This is a serious war, in which both congressional and presidential decisions will have serious consequences. The actions of the 110th congress, combined with those of President Bush, will determine the state of Iraq, America, and the world.



is the way to fight terrorism. This is only partly true. Entrepreneurship is the key. We need to let the Iraqis bootstrap themselves up and out of a welfare state. This is easier said than done.

It is hard to open up a widget store in a war zone. "iPod,"

# Where Did Those Old-Fashioned Lectures Go? Out With the Old and In With the iClickers

Lily Giddings  
Staff Writer

As if buying two hundred dollar textbooks were not taxing enough on student budgets, the Physics and Chemistry departments have developed a new demand for student funds: clickers!

That's right, the instruments that teachers in the Chemistry and Physics departments use to take role and check concept comprehension must now be provided by students. As recently as last semester, the clickers were communal, provided in class by the department. Students were assigned a clicker that was registered to their student ID number, so that professors could tell who attended class and got the concepts. Now, students are asked to buy iClickers from the bookstore.

This change in protocol has come about as a result of the unfortunate propensity for batteries to go missing from the clickers: a product of bored, or just cheap, students. Furthermore, the communal clickers were unsanitary; vacant students would chew on the clickers during class. Some malicious students even took to rear-

ranging the numbers on the clickers, to confuse later students attempting to key in an answer.

These problems are not all resolved by the new iClickers; though students now may masticate their own, private clickers, and batteries are no longer a strain on the department budget, these "advantages" are surely not outweighed

by the new issues. Students are now required to pay \$35 for a clicker from the bookstore, the only kind that works with in-class software.

While students now only need one clicker for Physics 1, Physics 2, and Chemistry 2, the problem is that students lose or forget their clickers when headed to class. Previously, students would pick up a clicker at the beginning of class, leaving "collateral" for the insurance of the clicker's return. A student now may show up to class, only to hear, "take out your clickers for a quick quiz?" and realize, too late, that the clicker is still on their desk at home.

Clickers also must be registered separately for each class. This takes time out of class for a roll call to scroll across the presentation screen and for students to mis-register their clickers, and eventually takes time out of the professor's life to continue the registration outside of class.

Between the two types of clickers, it seems that they are more trouble than they are worth, and the idea should be scrapped in favor of paper quizzes, or perhaps just some good, old-fashioned lecture time.



# Duffy's Corner

Kevin Duffy  
Staff Writer

The past several weeks have demonstrated that the Colorado School of Mines is not capable of handling eight weeks of non-stop snow. The CSM community is forced to look upon the desolate site of walkways turning into glaciers, parking blocked by 3 foot drifts and four-cylinder Hondas trying to make it up Illinois St. No one is suggesting that the school be held responsible for the weather, only that the response to harsh conditions is inconsistent with the obligations of an internationally accredited engineering institution.

After receiving close to 80 inches of snow in the last two months, most everybody is asking, "When will this ever end?" The question usually arises not because they don't like the picturesque white blanket lying over Mt. Zion, but because they do not like to drive and walk on an ice rink. To make matters worse, the snow comes in taunting waves, erasing any victory on the part CSM plant facilities.

To their credit, the staff of CSM often point to the limited amount of immediate resources at their disposal. Admittedly, the fleet of lightweight trucks and golf carts assigned to snow removal just don't possess the power required to handle such a large volume of snow. While the ever fiscally responsible CSM justifies this lack of heavy equipment on the mild winters that Colorado usually enjoys, how is that justified in terms of student and faculty safety and the realization of a multifaceted solution?

Since the start of the semester at least two professors have been reportedly sent to the hospital after slipping on snow packed ice. Multiple accounts across campus allude to student after student showing up to class with make-shift wrist and knee casts due to unfortunate footing on the slick terrain. In increase in parking violations has even been noticed as people struggle to parallel park, only to come back an hour later to a ticketed vehicle because it was not "close enough" to the curb.

The administration of CSM models its decisions on the rightful cornerstone of economics. However public welfare, specifically the welfare of those paying to keep the school running, must be held paramount. In fact, any rational economic analysis of the situation would conclude that it is in fact more expensive to not clean up the snow effectively. Gross negligence is a real legal term that could apply to a lawsuit leveled at the school. CSM ultimately shares a certain liability when it holds classes despite treacherous conditions, but does not clear the walkways and roads well enough for students and professors alike to attend class.

CSM needs to consider the possibility that the unexpected snow this season necessitates the use of private contractors, people who will come in and remove the snow with whatever force required to get the job done. The school doesn't own a massive inventory of snow removal equipment because most seasons it is unnecessary. That is why a policy of hiring out help when it is needed should be the acting contingency plan of the school.

Once again, Plant Facilities at CSM and all Classified Staff are to be commended for their service over the last several months. This problems lies in the hands of the decision makers, who have decided not to give their employees the proper resources. Maybe we should ask them to shovel? Please send Duffy your local concerns: kduffy@mines.edu.



# What's Your Beef With Mines?

## ASCSM President Casey Morse Answers Your Questions

**Beef:** We should have a walkway over 6th Ave to get to Mines Park.

**Response:** The Mayor is in full support of this idea. Unfortunately, the steep grade of 19th at that intersection is such that the walkway would have to stretch out an extra half mile down 19th in order to comply with regulations governing handicap access. In talking with the Mayor, we agreed that the students would not want to walk an extra half mile every time they crossed the street. The other options being explored right now are either way too expensive or do not really solve the problem, but we will continue to work with Mayor Baroch to find a solution.

**Beef:** I will attempt to respond to three at once here:

-Parking at the Intramural Field Parking Lot

-No public pool tables or hot tubs on campus

-When does the Rec. Center open?

**Response:** We will not only be able to park in the IM Lot when the Rec. Center opens, but also we will have a public pool table, foosball tables, ping pong tables, and a hot tub on campus. As of right now, it seems as though the Rec. Center will open in late March or early April.

**Beef:** "More teachers, less students. I was promised a 13:1

student to faculty ratio and I have more like 130:1."

**Response:** The easy solution to this one is to finish Freshman year. While the average Freshman class is approximately 29 students (including lectures), the average on the entire campus is approximately 26. The reason the student to faculty ratio is so low (14:1) is because it includes our adjunct faculty, research faculty,

who do come here with the intent of getting some action tend to be successful, though. The problem then lies in your intent or your approach. Have patience, for the President is trying to increase our female population up to 33% (that's right – only 2 guys to every girl).

**Beef:** Pave Illinois St. and put a sidewalk on the east side of Elm St.

organization, there are budgetary constraints. In my opinion, the money we have needs to go to either fixing up Meyer Hall (and I'm not even a Physics student), tearing down and replacing Hall of Justice, or increasing on-campus living.

**Beef:** Why does Mines claim to be a top Engineering School, but isn't even mentioned in publications on the subject?

**Response:** There are a couple of

If you want to look at the quality of education you're getting, look at our recent graduation placement rates: 99% of last year's graduated population either has a job or is already enrolled in graduate school. Additionally, we consistently have one of the highest average starting salaries in the country. Just because CSM does not appear in the US News rankings does not mean it isn't a top university.

**Beef:** Why did you not clear all the snow when no one was on campus?

**Response:** December was an unprecedented month for snow. The Golden area got around 85 inches of snow just in the month of December. As a student that spent most of his break on campus I can assure you that Plant Facilities was working every day to get the roads cleared. Clearing three blizzards in 20 days is hard work, not to mention the other standard maintenance that has to be done. There just weren't enough plows to go around to clear the sheer volume of the snow.

**Beef:** This school was birthed by Satan

**Response:** That's why, upon graduation, you will be a helluva engineer!

**Beef:** The library is not open enough. It should be open 24 hours.

**Response:** Running the library all night would be costly and difficult to staff. The library is open until midnight 4 days a week. Department computer labs are your best bet after that.



reasons why you don't see our name on lists such as the US News college ranking systems. A big part is our size; another important reason is our national visibility. The School of Mines is better

known throughout different industry sectors. Although US News doesn't have us nationally ranked, ask any of the 160 companies at the career fair how they view our education.

and lecturers.

**Beef:** Serious lack of attractive girls

**Response:** In all fairness, I'm sure the girls think the same about the male population. Students typically do not come to CSM to meet their dream girl/guy. Those

from the Student Center to 17th St.

**Response:** Money, money, money! If the state of Colorado wanted to be considered average for higher education funding, they would have to increase funding by \$832 million! As with every

# Where To Go For Tunes When You Hit the Road

Joel Brauner and Nick Caputo of Mines Internet Radio Critique Denver's Music

| Station Call Letters and Frequency | KXPK 96.5 FM                                                | KQMT 99.5 FM                                                      | KVCU 1190 AM                                             | KTCL 93.3 FM                                                                  | KRFX 103.5 FM                                                  | KBPI 106.7 FM                                                              | KBCO 97.3 FM                                                       | KYGO 98.5 FM                                                                              | KQKS 107.5 FM                                                  | KOSI 101.1 FM                                                                    | radio.mines.edu                                                         |
|------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Name or Tagline                    | Radio Tri-Color                                             | The Mountain                                                      | Radio 1190                                               | Channel 93.3                                                                  | The Fox                                                        | Rocks the Rockies                                                          | World Class Rock                                                   | Today's Country                                                                           | KS 107.5                                                       | KOSY 101                                                                         | MinesInternetRadio                                                      |
| Format                             | Regional Mexican                                            | Adult Album Alternative                                           | Independent                                              | Alternative Rock                                                              | Classic Rock                                                   | Active Rock                                                                | Adult Album Alternative                                            | Country                                                                                   | Hip-Hop                                                        | Adult Contemporary                                                               | Free-Form Independent                                                   |
| Pros                               | Station of choice for electric keyboard and mariachi lovers | Playing a huge mix of old and new popular rock                    | Another excellent independent station with great variety | Best place to find new alternative rock                                       | Playing some of the greatest songs from the early days of rock | Station of choice for hard-core rocking out                                | Large rotation so listeners don't have to hear the same songs over | No better way to connect to your Western roots than with some good ol' country            | Playing the freshest music with infectious energy              | #1 station in Denver by listenership share                                       | Shows DJ'ed by Mines students to suit the music styles of all listeners |
| Cons                               | Better if you understand Spanish                            | Believe they are the best station ever and let the listeners know | Run by students at CU-Boulder                            | You have to listen to a ton of older alternative rock to get to the new stuff | No new music, ever                                             | The "new" rock consists of Metallica, AC/DC, and other bands from the 80's | Playing the music your parents enjoy                               | Country used to be wholesome, sounds like everything else now but with an acoustic guitar | May get tired of hearing Snoop Dogg in every other song played | The "happiness" of this station may make you want to drive your car off a bridge | Quite possibly the greatest radio station ever but internet only        |

Letters to the Editor? Write Us At [oredig@mines.edu](mailto:oredig@mines.edu) or visit [www.oredigger.net](http://www.oredigger.net) and click on "Letter to the Editor"



# No Racquet, No Problem

Nathan Myers  
Guest Reporter

Tired of endless class work and stress? Come out to relieve the stress and take time off from course work by playing some handball. In the fall of 2005, CSM instructor Oliver Boyd and Coach Gene Schneider began the physical activity class Handball. This semester, the Handball class has extended out to the CSM students and faculty by becoming a club: CSM Handball Club.

The Handball club offers times outside of class to exercise and socialize while enjoying a historic and exciting sport. Wondering what handball is? It's very similar to racquetball without the racquet and with a smaller ball (red/white ace). Play consists of doubles, cutthroat (3-players), and singles. There are many variations of handball: 4-wall, 3-wall, or 1-wall. During the spring and fall semesters the club uses the 4-wall variation, playing in racquetball courts. In the summer, the club will play 3-wall on outdoor courts. The handball club competes in various tournaments and matches throughout the year with other leagues in the Denver area and has moved to the national level. For more information surf The Colorado Handball

Association website at <http://www.cohandball.com/> or The US Handball Association website [www.ushandball.org](http://www.ushandball.org). Both sites have information ranging from rules to instructional write-ups. For further instructional information check-out this webpage: [http://cohandball.com/rule\\_book/USHA\\_Rules.htm](http://cohandball.com/rule_book/USHA_Rules.htm).

Taking the handball class will help your game, but it is not required. In fact, our club encourages new players and will help instruct newcomers. We require no special skills or physical ability.

We meet every Monday and Thursday from 5:00-7:00pm outside the racquetball courts in Volk Gymnasium.

There are NO DUES associated with the club. Equipment can be borrowed or purchased from coaches and other players. The average cost of equipment is \$20-25 dollars for gloves, eyewear, and handballs. If you are interested just come by Monday or Thursday to watch some of the students play. The club will answer any questions you have. If you have specific questions email [nmyers@mines.edu](mailto:nmyers@mines.edu).



Courtesy Nathan Myers

# CSM Ski Team



Courtesy Mines Ski Team  
CSM Women's Ski team showing off.

Katie Kocman  
Staff Reporter

Last weekend, the ski team competed in a United States Collegiate Ski and Snowboard Association (USCSA) slalom race in Loveland. Races were held on Saturday and Sunday. Freshman, Kathleen Lyon took second place for the women on Saturday and fifth on Sunday. What Lyon likes most, "is that everyone is there because they love skiing and are at races to have fun". Since it is a club, it's not too competitive. Lyon states, "it's not too serious until you are actually in the starting gate, and then you can be as serious or laid-back as you want".

Two weeks ago they competed in a giant slalom race in Winter Park. Freshman, Kathleen Lyon, took first place on Saturday and second on Sunday. Ben Teschner took second place overall for the men. The women

took second to the CU woman's team for the weekend.

The races are divided into men's and women's divisions. Cassi Roe, Nichole Sherrill, Esther Dieker, Ashley Story and Kathleen Lyon are all members of the women's team. The men's team consists of Ben Teschner, Rick Thomas, Bryan Babcock, Matt Jameson, Lucas Moore, and Max Berglund. Members of the team train weekly on Wednesday and Thursday nights at Keystone.

The next race is another giant slalom in Telluride this weekend. It will be the last Rocky Mountain Conference Race. After that, Regionals will be in Red Lodge, Montana. If qualified, racers will be able to compete in Nationals in Winter Park.

# Playin' dat Foosball

Mike Stone  
Staff Writer

Ryan Decker and Shane Hutchinson (aka Team Shmee) were this year's Intramural Foosball Champions. After beating six teams on January 24th, they were able to walk away with free T-shirts and bragging rights. The confident duo had a lot to say about the sport. According to Ryan and Shane, all Foosball players look like Jimmy Carter. "I specifically remember Jimmy bicycle kicking a goal in after a rainbow pass from Carter for the win," explained Ryan. Thirty-one teams faced off in this year's tournament on five tables donated by fraternities and players. "We brought our table for the tournament and when the final team wanted to play on ours, our eyes lit up like an old lady who just

got bingo," said Shane. Team Shmee won the final game with a commanding 10-6 victory. "Our biggest opponents were the guys in the final round," explained Shane. "But we have both trained extensively for this night." "Countless hours," added Ryan. Shane lives below Ryan's apartment, and most lunch breaks are spent in Ryan's kitchen where the table is actually the foosball table. "I have this board I throw on top of it when we eat, but people are always coming over and playing during lunch, so we basically practice whenever people are there. This usually amounts to three or five times a week," said Ryan. Shane and Ryan agree that they each have their strengths,

so during the tournament Shane would start on Defense and Ryan on Offense. Shane explained, "If we have a vibe, we keep it. Otherwise, we switch when the other team scores five." He went on to say, "Sometimes we think of new moves while sleeping." After the tournament, the award ceremony, and autograph signing, they celebrated. "When we were carrying the table back to my apartment, we set it up in the middle of the intersection of 16th and Illinois and played a quick game. Cars were driving all around, but we were celebrating!" Though probably illegal, this team of renegades was unstoppable for one night, and in the spirit of classic foosball- there's no spin to that.

*"Sometimes we think of new moves while sleeping."*



GOLDEN  
303-278-7241

Use your BlasterCard and receive a  
FREE order of Domino's Breadsticks\*!

\*Cinna Stix, Cheesy Bread or Brownies NOT Valid w/ offer

Please have your C W I D # available when placing your order

Mines SPECIALS

\$4.99 – One Small 1-topping  
pizza + a 20oz Coke®

\$6.99 – One Large 1-topping pizza

NEW! - ADD A SIDE OF GARLIC DIP SAUCE FOR \$0.50

\*MINES SPECIALS valid ALL day EVERY day!!



Buy ANY Pizza at regular menu price and receive a 2<sup>nd</sup>  
pizza of equal or lesser value FREE

Wacky  
WEDNESDAY

One Pizza with up to 3 – toppings

Small - \$5.99 Medium - \$6.99

Large - \$8.99

3 'er' THURSDAY

3 Medium 1-topping pizzas for \$5 EACH

\*Minimum of 3 ordered to get special price

FREE!

DOMINO'S  
BREAD  
STICKS

FRIDAY

Buy a Large 1-topping pizza for \$9.99  
& receive an order of Breadsticks for  
FREE



Hours:

Monday – Thursday 11am – Midnight  
Friday & Saturday 11am – 1am  
Sunday 11am – 11pm

Home of the



Having a Meeting, Party or Special Event? Domino's Pizza proudly accepts ALL  
Colorado School of Mines FIELD PURCHASE ORDERS.

\*\*\* Special pricing available on orders of 5 pizzas or more! Call today for a price quote. \*\*\*

©2006 Domino's Pizza LLC. Not Valid with any other offer. Valid only at participating stores. Cash Value 1/20¢. Prices may vary. Minimum purchase required. Our Driver's carry less than \$20. Limited Delivery area. Delivery Charge may apply. Customer pays sales tax where applicable



## Number Theory

**\$**  $1.42 * 10^{11}$  **\$**

Amount requested to wage war in Afghanistan and Iraq in fical year 2008 <sup>1</sup>

**\$**  $1.2 * 10^{11}$  **\$**

Cost of John Edwards proposal to provide universal health care if elected president <sup>2</sup>

1. <http://www.defensetech.org/archives/003253.html>
2. <http://www.abcnews.go.com/Politics/wireStory?id=2850992>

Need Cash instead of CAPA?

or G4D4i





Your Ideas, Your Writing, Your Schedule

Write for The Oredigger!!!

Thursdays at 5, Student Activities Office, Student Center

## Relationships. Build one with **FLUOR**®

*As the preeminent leader in the global building services marketplace, Fluor designs, builds, maintains, and operates some of the most complex facilities around the world. We are looking for employees who desire exciting, engaging, and challenging assignments.*

**Now hiring graduates in Civil, Chemical, Electrical and Mechanical Engineering.**



Fluor is an Equal Opportunity Employer that recognizes the value of a diverse/inclusive workplace. M/F/D/V

[www.fluor.com](http://www.fluor.com) ©2007 Fluor Corporation. All Rights Reserved. Fluor is a registered service mark of Fluor Corporation.

- Competitive pay
- Big company / personal touch
- Continuing education programs
- Worldwide offices & prestigious projects
- Generous referral bonus
- 9/80 work schedule & flex time
- Mentoring program
- Accelerated growth opportunities
- Tuition reimbursement
- Personal contact with leadership teams
- Advanced degree & licensing assistance

A world of opportunity - for world-class people.

**Spring 2007 Career Day**  
**Tuesday, Feb. 13, 2007 • 8:15am - 4:45pm**  
**Colorado School of Mines**

0100001101101000011001010110001101101011001000000110111101110101011101000  
 01000000111010011011101110111011100101110011011110111001001100101011001000  
 1101001011001110110011010110010101110010001011100110110100110010101110100

<< translation >>

**Check out [www.oredigger.net](http://www.oredigger.net)**